VOLTAGE OPTIMISATION TRANSFORMER

Technical Specification

Overview

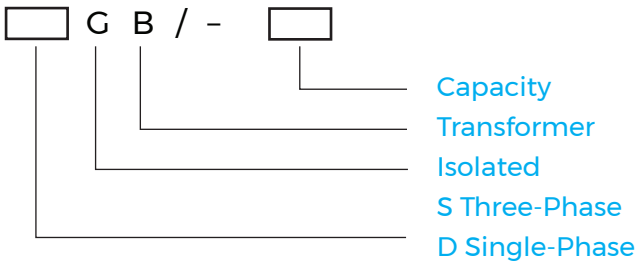
Three-phase (or single-phase) voltage optimization transformer that also electrically separates the input winding and output from each other. In addition, the voltage optimization transformer also has inhibition functions for varieties of interference.

This product has a rational design, advanced techniques, is safe and reliable, removes waveform distortion, no noise, and are widely used in the following industries:

- **Telecommunications**
- **Medical Equipment**
- **Numerical Control Machine Tools**
- **Textile**
- **Hotel**
- **Ups Front-End Equipment**
- **Industrial Automation Equipment**

2.1 Specifications and main technical index of the three-phase voltage optimization transformer.

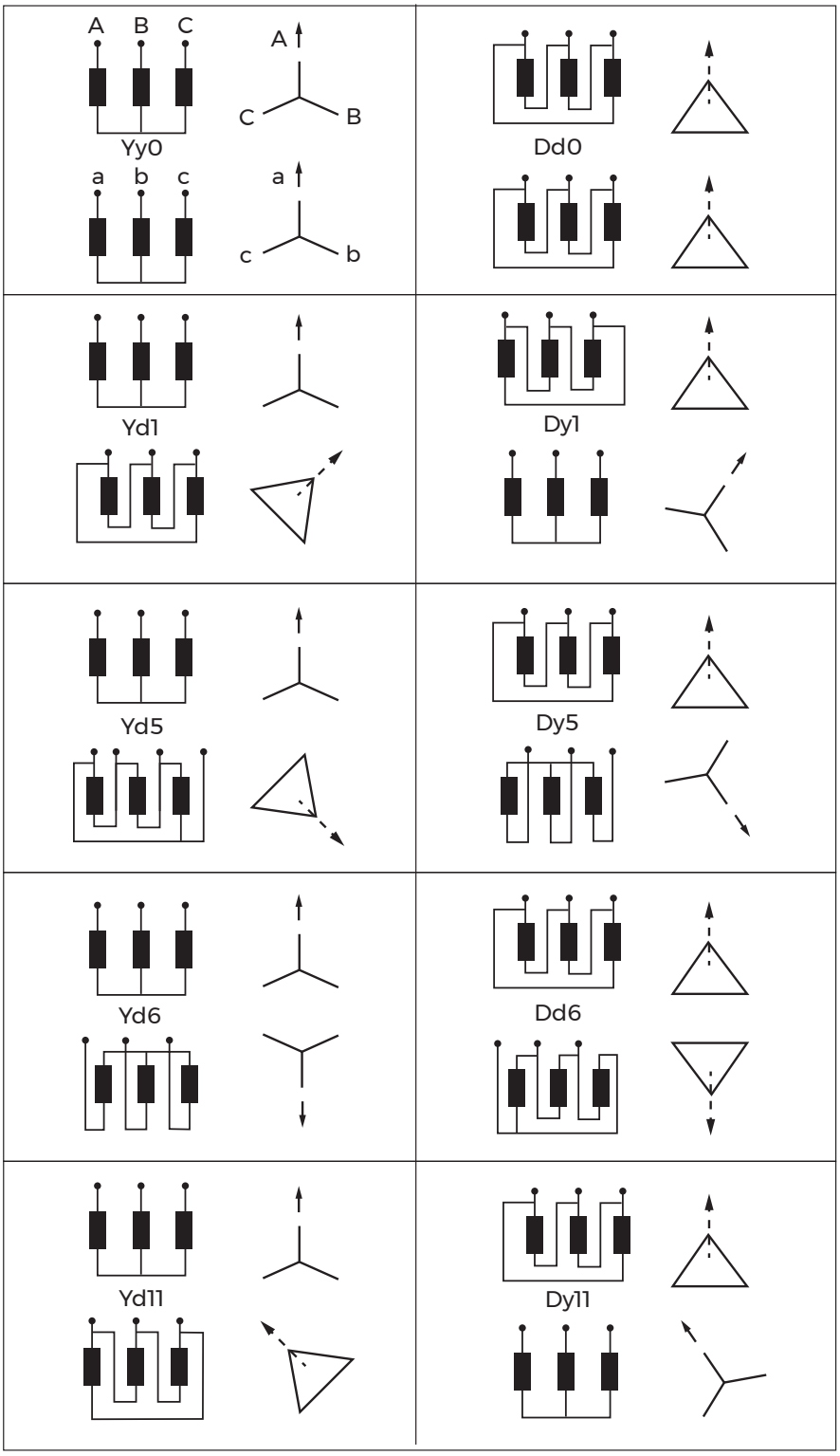
The model Representation in this product is as follows:



2.2 Specifications and main technical index for the three-phase voltage optimization transformer

SERIAL	CAPACITY (KVA)	NO LOAD Loss (W)	WEAR Current (%)	LOAD LOSS (W)	IMPEDANCE Voltage (%)	INSULATION Level
1	6	120	4.5	360	4	B
2	10	140	4.5	450	4	B
3	15	170	4.0	520	4	B
4	20	200	3.5	600	4	B
5	30	240	2.8	710	4	B
6	50	320	2.5	1080	4	B
7	80	440	2.3	1460	4	B
8	100	510	2.0	1840	4	B
9	125	600	20	2160	4	B
10	160	720	2.0	2490	4	B
11	200	840	2.0	2970	4	B
12	250	1000	2.0	3460	4	B
13	315	1200	1.5	4110	4	B
14	400	1400	1.5	4970	4	B
15	500	1650	1.5	6200	4	B
16	630	1900	1.5	7300	6	B
17	800	2350	1.5	8540	6	B
18	1000	2750	1.5	9950	6	B
Permissible Error		± 15%	± 30%	± 15%	± 10%	B

2.3 Three-phase Voltage Optimization Transformer's connection mode



User Guide

(This is a guide ONLY, please ensure that the equipment is installed by a skilled and competent installer – The installation MUST comply to local electrical wiring laws and requirements as well as all health and safety laws and requirements)

1 Open box to Inspect
2 Inspect the box for damage during transport
3 Inspect transformer and other components for damage that are all in readiness intact
4 Inspect the fasteners for loose and reject mobile ones
5 Transformer installation site must be a dry and well-ventilated area, no strong vibration, no sand, dust, rain leakage
6 The units should be handled with care, do not over-tilt the machine chassis, put box on a smooth and even surface
7. Ensure there is enough space around the units and no fire hazards
8 Test the "input" and "output" connections using a lead to "test points", to measure the ground Insulation Resistance - the resistance value should be greater than 2MO
9 Inspecting wiring carefully is the the most important work for Commissioning staff - this work is critical to ensure reliable operation
10 Check all power is off and reliably isolated
11 Check the main circuit wiring for being solid and reliable
12 Connect input cables to input terminals ensuring tightness and reliability of connection
13 Connect output cables to output terminals ensuring tightness and reliability of connection
14 Ensure adequate isolation and protection is in place for both operator and equipment
15 Replace all covers and ensure standard of installation is acceptable
16 Turn on power.

Operating Conditions

- Ambient temperature -15 °C ~ +45 °C Relative humidity: ≤ 90%
- Altitude: no more than 3000 meters.
- Installation sites without gas, steam, dust, chemical deposition, other erosion and explosive media which serious impact the transformer's insulating strength.
- installation sites without serious vibration, bump.

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